

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1066216

Luminaire Tested: **NVN-SA1D-722-U-T4BC**

Issue Date: 08/07/2025

Test Information

Test Method: LM-79-08
Report Number: P1066216
Test Lab: INNOVATION CENTER(G3)
Issue Date: 08/07/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SA1D-722-U-T4BC
Description: Navion AREA AND ROADWAY LUMINAIRE 1200mA 1xLight Square PACKAGE
70CRI 2200K FIXTURE w/ TYPE IV ANGLED BACKLIGHT CONTROL
Light Source: (14) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4666.7 lumens
Efficiency: N/A
Efficacy: 82.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G2

Input Watts (W): 56.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.97
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



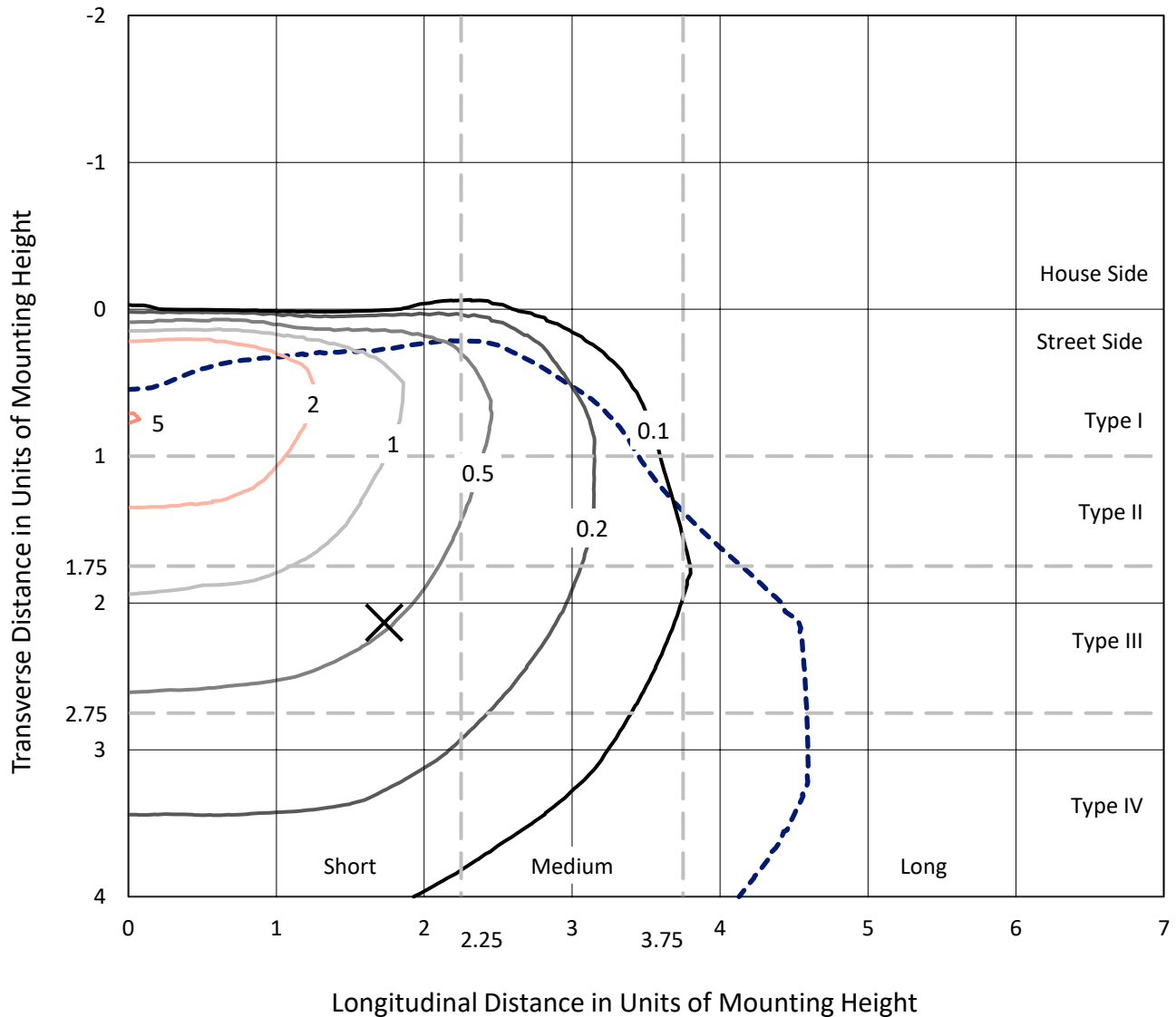
REPORT NUMBER: P1066216

CATALOG NUMBER: NVN-SA1D-722-U-T4BC

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

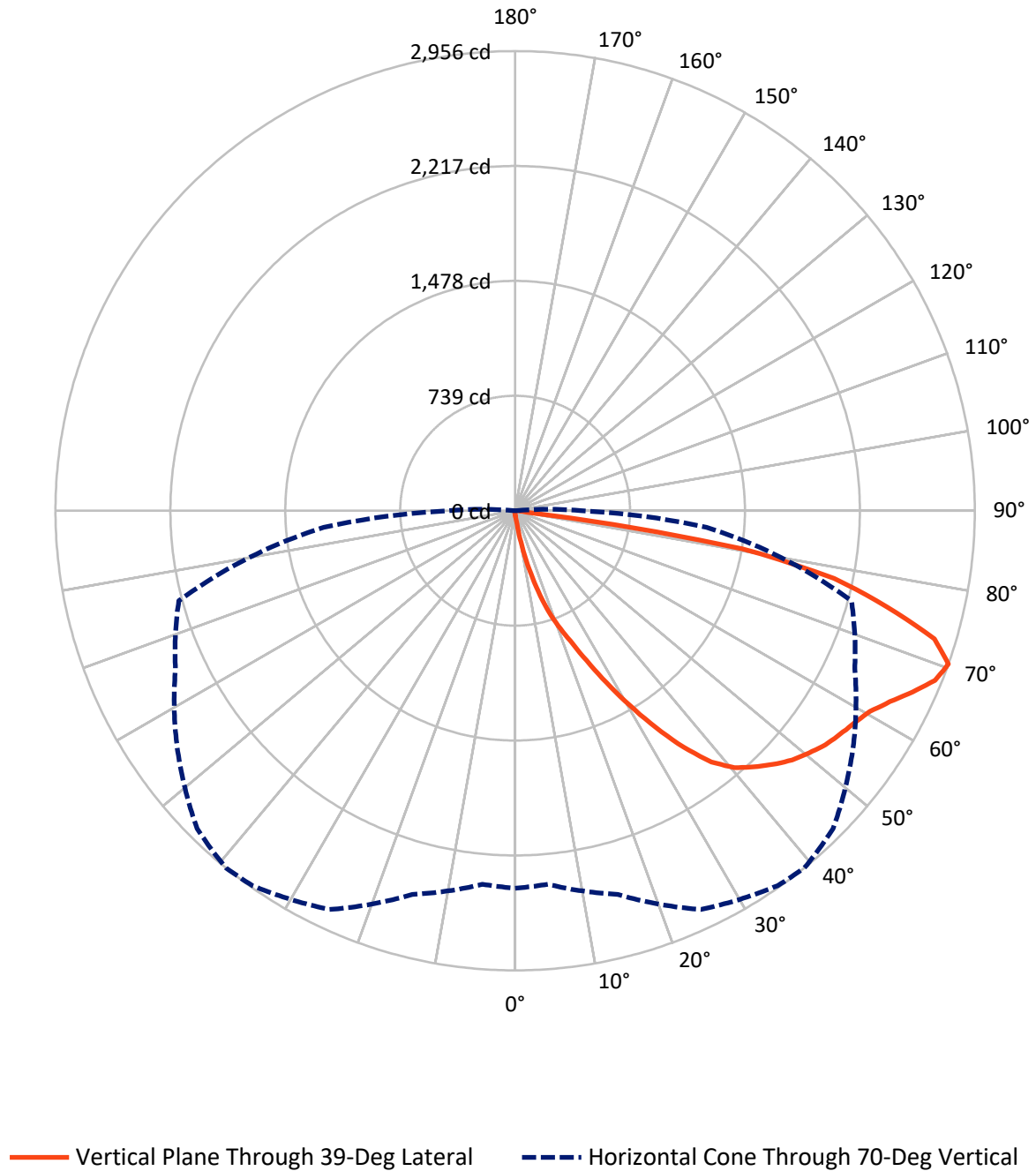


Based on 15 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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CATALOG NUMBER: NVN-SA1D-722-U-T4BC

Luminous Intensity Polar Plot



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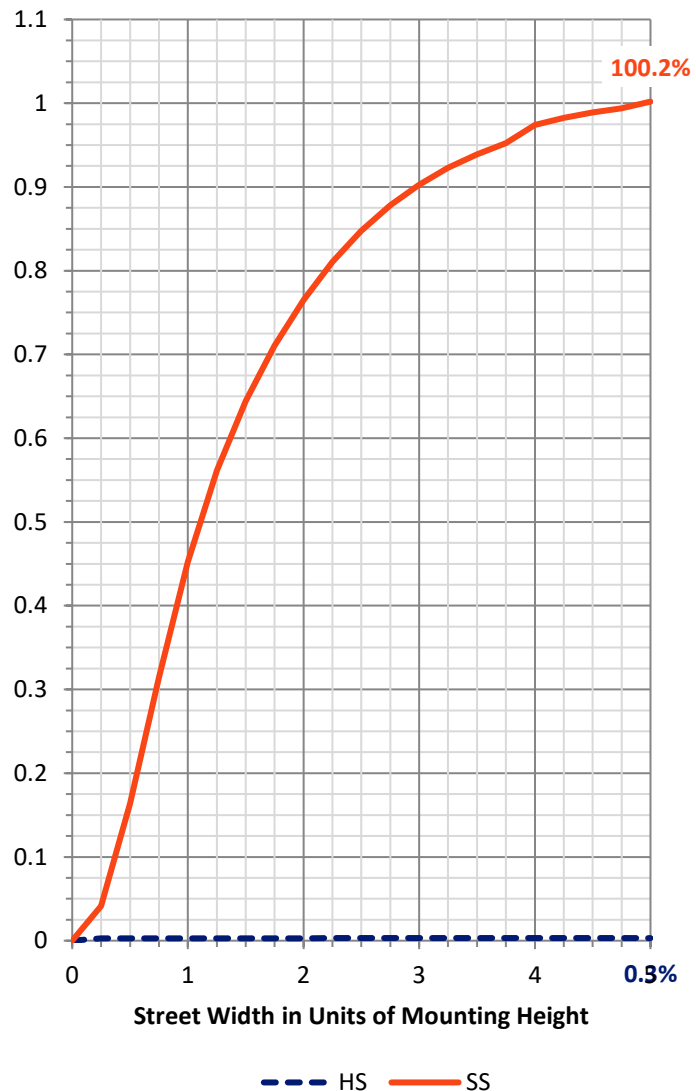
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14.4	0.0	14.4
	% Fixture	0.3	0.0	0.3
Street Side	Lumens	4652.4	0.0	4652.4
	% Fixture	99.7	0.0	99.7
Total	Lumens	4666.7	0.0	4666.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	57.4	1.2
20°-30°	194.7	4.2
30°-40°	457.6	9.8
40°-50°	743.0	15.9
50°-60°	941.5	20.2
60°-70°	1196.0	25.6
70°-80°	971.7	20.8
80°-90°	100.1	2.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4666.7	100.0
0°-180°	4666.7	100.0



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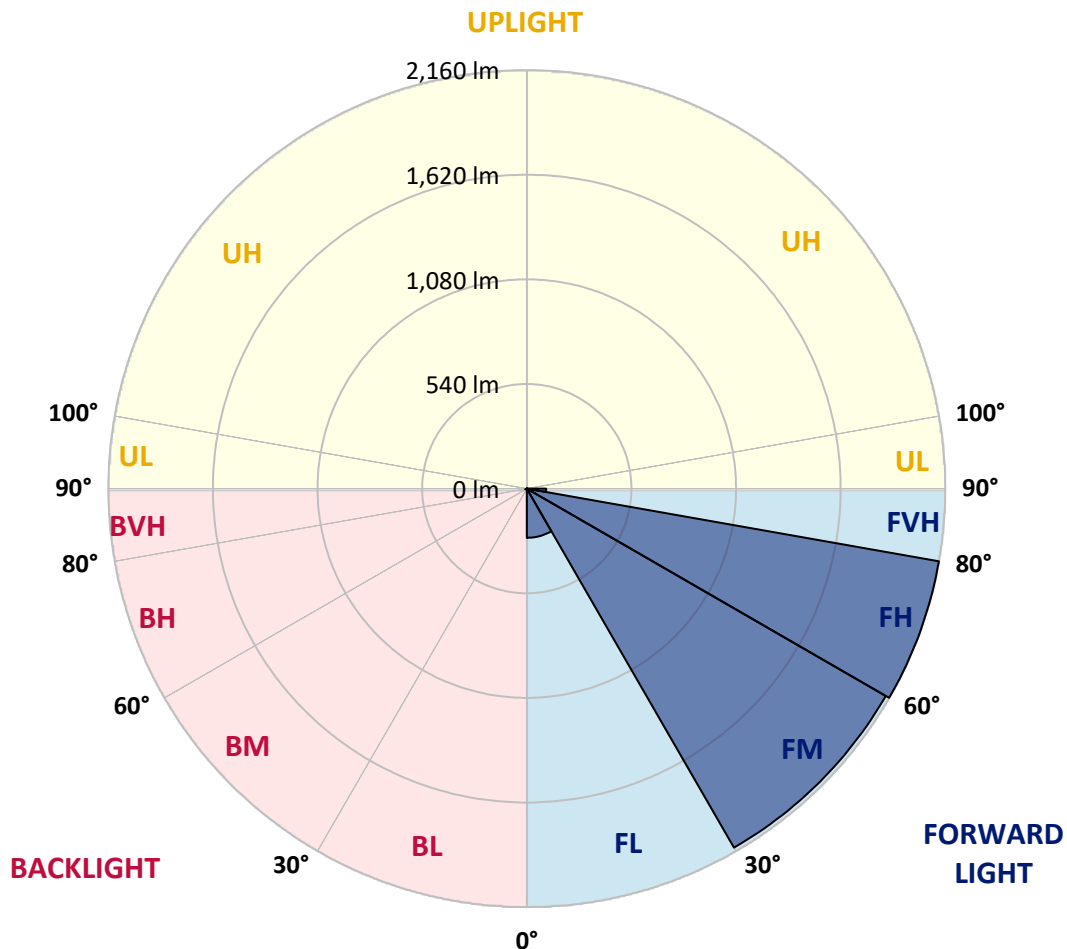
CATALOG NUMBER: NVN-SA1D-722-U-T4BC

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	253.9	5.4			
FM	(30°-60°)	2139.3	45.8			
FH	(60°-80°)	2159.8	46.3			G2/5000
FVH	(80°-90°)	99.5	2.1			G1/100
BL	(0°-30°)	3.1	0.1	B0/110		
BM	(30°-60°)	2.8	0.1	B0/220		
BH	(60°-80°)	7.9	0.2	B0/110		G0/110
BVH	(80°-90°)	0.6	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
2.5°	32.9	32.9	32.9	31.7	31.7	30.4	30.4	29.1	27.9	27.9	26.6
5°	62.1	63.4	59.5	51.9	46.9	44.3	41.8	35.5	31.7	29.1	26.6
7.5°	169.8	164.7	157.1	131.8	101.4	86.2	73.5	51.9	38.0	30.4	26.6
10°	357.3	343.4	321.8	287.6	228.1	204.0	158.4	95.0	53.2	34.2	26.6
12.5°	524.5	527.1	500.5	467.5	395.3	354.8	292.7	178.6	83.6	40.5	26.6
15°	651.2	648.7	638.6	612.0	547.3	508.1	452.3	300.3	140.6	50.7	27.9
17.5°	751.3	741.2	737.4	726.0	684.2	662.6	601.8	442.2	223.0	68.4	29.1
20°	851.4	848.9	845.1	832.4	804.5	789.3	742.5	585.4	332.0	97.6	31.7
22.5°	997.1	983.2	985.7	957.9	935.0	908.4	870.4	737.4	457.4	139.4	35.5
25°	1168.2	1166.9	1146.6	1134.0	1096.0	1066.8	1016.1	884.4	596.8	201.5	39.3
27.5°	1369.6	1355.7	1346.8	1325.3	1286.0	1253.1	1183.4	1030.1	747.5	271.1	44.3
30°	1580.0	1580.0	1563.5	1530.5	1492.5	1452.0	1381.0	1183.4	897.0	359.8	50.7
32.5°	1825.7	1830.8	1790.3	1740.9	1691.4	1663.6	1571.1	1357.0	1040.2	461.2	58.3
35°	2063.9	2057.6	1990.5	1936.0	1899.2	1868.8	1790.3	1547.0	1202.4	579.0	68.4
37.5°	2292.0	2275.5	2164.0	2086.8	2070.3	2050.0	1971.5	1737.1	1363.3	709.5	81.1
40°	2455.4	2430.1	2314.8	2208.4	2184.3	2172.9	2112.1	1909.4	1533.1	855.2	97.6
42.5°	2526.4	2497.3	2417.4	2331.3	2278.1	2251.5	2198.2	2050.0	1702.8	1017.4	121.6
45°	2540.3	2517.5	2460.5	2440.2	2368.0	2327.5	2255.3	2150.1	1861.2	1178.3	154.6
47.5°	2489.7	2479.5	2445.3	2488.4	2451.6	2395.9	2308.5	2224.9	2001.9	1373.4	200.2
50°	2365.5	2357.9	2374.4	2487.1	2512.5	2449.1	2366.8	2283.1	2123.5	1574.9	264.8
52.5°	2198.2	2197.0	2274.3	2454.2	2539.1	2499.8	2423.8	2341.4	2219.8	1770.0	356.0
55°	2015.8	2037.3	2172.9	2423.8	2554.3	2536.5	2479.5	2393.4	2305.9	1951.2	503.0
57.5°	2000.6	1991.7	2122.2	2411.1	2563.1	2573.3	2535.3	2447.8	2379.4	2099.4	699.4
60°	2152.6	2132.4	2181.8	2437.7	2602.4	2620.2	2591.0	2489.7	2452.9	2216.0	957.9
62.5°	2328.7	2309.7	2335.1	2540.3	2679.7	2705.0	2668.3	2532.7	2512.5	2297.1	1235.3
65°	2469.4	2454.2	2502.3	2693.6	2787.4	2808.9	2783.6	2612.6	2539.1	2363.0	1460.9
67.5°	2492.2	2473.2	2573.3	2796.3	2896.4	2911.6	2891.3	2689.8	2530.2	2368.0	1512.8
70°	2427.6	2411.1	2554.3	2829.2	2943.2	2955.9	2891.3	2653.1	2409.8	2238.8	1236.6
72.5°	2228.7	2241.3	2426.3	2749.4	2878.6	2820.3	2683.5	2468.1	2254.0	1898.0	867.9
75°	1919.5	1933.4	2179.2	2530.2	2540.3	2469.4	2395.9	2270.5	2017.1	1250.5	601.8
77.5°	1364.6	1315.1	1682.6	2089.3	2052.5	2098.2	2104.5	1889.1	1688.9	651.2	402.9
80°	134.3	114.0	211.6	599.3	1324.0	1479.9	1540.7	1455.8	1245.5	291.4	211.6
82.5°	29.1	29.1	31.7	34.2	53.2	79.8	366.2	897.0	804.5	148.2	68.4
85°	16.5	16.5	20.3	24.1	31.7	35.5	41.8	55.7	216.7	53.2	12.7
87.5°	12.7	13.9	16.5	20.3	26.6	29.1	35.5	44.3	54.5	49.4	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: NVN-SA1D-722-U-T4BC

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3	25.3
2.5°	26.6	25.3	24.1	22.8	21.5	21.5	20.3	20.3	20.3	20.3	20.3
5°	25.3	24.1	22.8	20.3	19.0	17.7	16.5	16.5	16.5	16.5	16.5
7.5°	25.3	24.1	21.5	19.0	16.5	15.2	13.9	12.7	12.7	13.9	13.9
10°	25.3	22.8	19.0	16.5	13.9	12.7	11.4	10.1	10.1	10.1	10.1
12.5°	24.1	21.5	17.7	15.2	12.7	10.1	7.6	6.3	6.3	6.3	6.3
15°	22.8	20.3	16.5	12.7	8.9	6.3	5.1	3.8	3.8	3.8	3.8
17.5°	22.8	19.0	15.2	11.4	6.3	3.8	2.5	1.3	1.3	1.3	2.5
20°	22.8	19.0	13.9	8.9	3.8	2.5	2.5	1.3	0.0	1.3	1.3
22.5°	22.8	17.7	11.4	6.3	3.8	2.5	1.3	0.0	0.0	0.0	0.0
25°	24.1	17.7	10.1	5.1	2.5	1.3	0.0	0.0	0.0	0.0	0.0
27.5°	24.1	16.5	8.9	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0
30°	25.3	16.5	7.6	2.5	1.3	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	25.3	15.2	5.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	25.3	13.9	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	25.3	12.7	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	26.6	11.4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	27.9	10.1	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	29.1	8.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	32.9	8.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	38.0	8.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	45.6	8.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	59.5	7.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	86.2	7.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	144.4	7.6	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	253.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	428.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	558.7	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	424.4	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	202.7	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	90.0	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	39.3	3.8	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	15.2	2.5	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0
82.5°	6.3	2.5	1.3	1.3	1.3	1.3	1.3	0.0	0.0	0.0	0.0
85°	3.8	2.5	2.5	2.5	1.3	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	2.5	1.3	1.3	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGraw-Edison

Report Number: SP1-2407-184-2

Test Date: 10/09/2024

Luminaire Tested: GSS-SB1A-722-U-5WQ

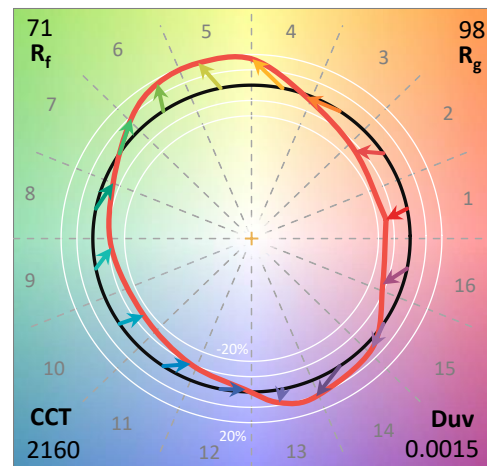
Data in this report applies to families of products including GSS-SB1A-722-U-5WQ

Test Information

Test Method: LM-79-2019
 Report Number: SP1-2407-184-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/15/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGraw-Edison
 Catalog Number: **GSS-SB1A-722-U-5WQ**
 Description: GALLEON II SITE SLIM 1SQ 350MA 5WQ HIGH DENSITY LIGHTSQUARE WITH 70 CRI
 2200K CCT 26 LEDS

Spectral Parameters

CCT (K):	2160	CRI (Ra):	71.9		
CIE u':	0.2927	R1:	68.7	R9:	-17.8
CIE v':	0.5388	R2:	82.6	R10:	60.5
Duv:	0.0015	R3:	95.5	R11:	60.2
CIE x:	0.5130	R4:	66.4	R12:	48.2
CIE y:	0.4197	R5:	65.4	R13:	70.7
CIE z:	0.0674	R6:	75.9	R14:	96.8
Peak Wavelength (nm):	609	R7:	77.2	R15:	61.8
Dominant Wavelength (nm):	587	R8:	43.5		
Purity:	79.96089				
Rf:	70.6				
Rg:	97.6				



Test Conditions

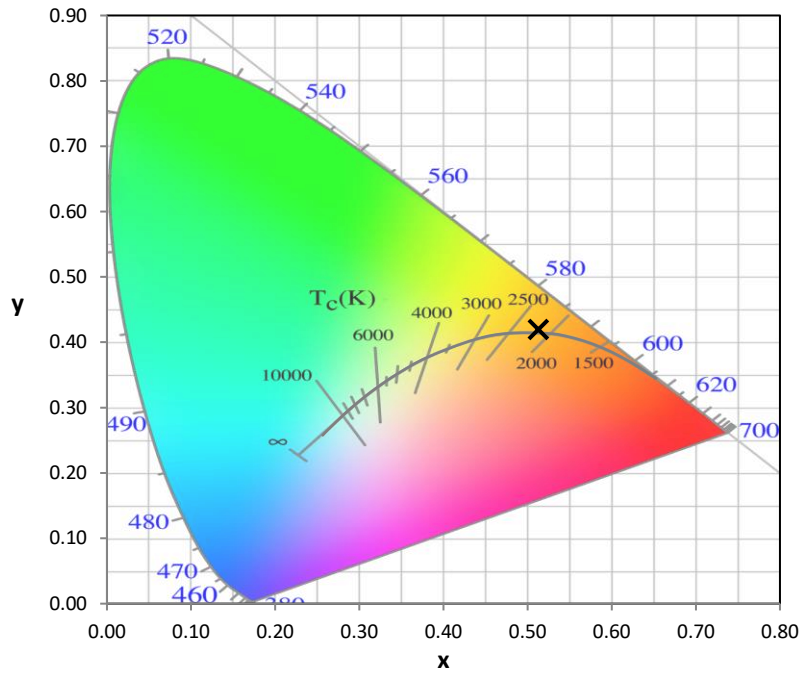
Stabilization Time: 21M
 Operation Time: 1H 21M
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-184-2

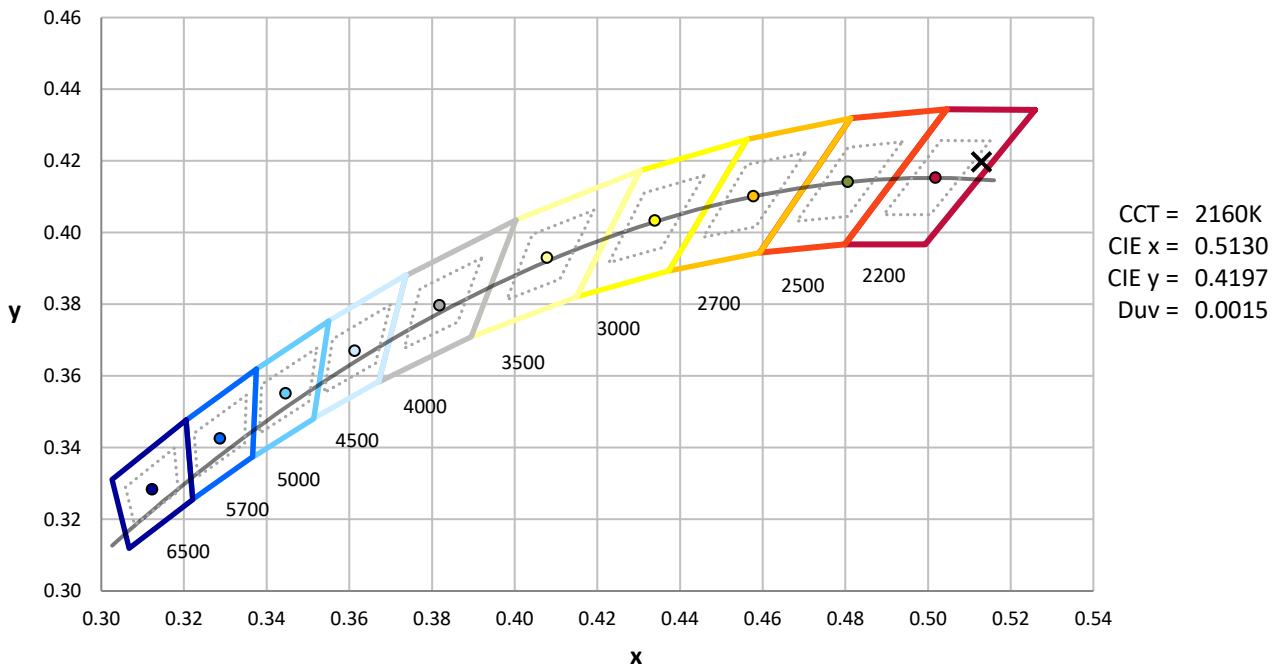
Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	IN0058	6/18/2024	12/18/2024
Power Meter	INXT2011004	2/8/2024	2/8/2025
AC Power Source	IN0063	10/24/2023	10/24/2024
DC Power Source	IN0208	10/24/2023	10/24/2024
Sphere Thermometer	IN0085	10/24/2023	10/24/2024
Room Thermometer	IN0046	10/24/2023	10/24/2024

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CIE 1931 Chromaticity Diagram



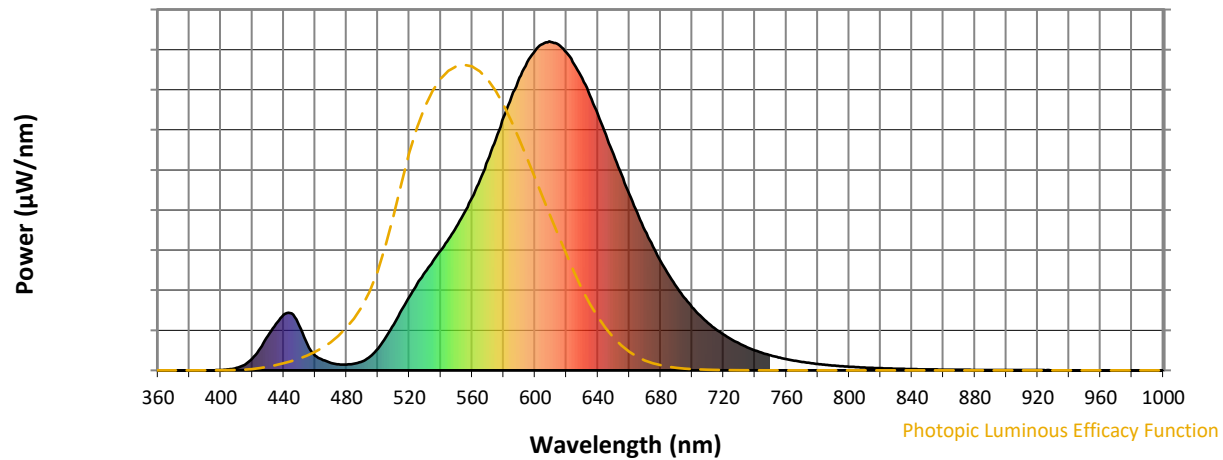
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 2200K 7-step quadrangle

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Photopic Flux vs. Wavelength

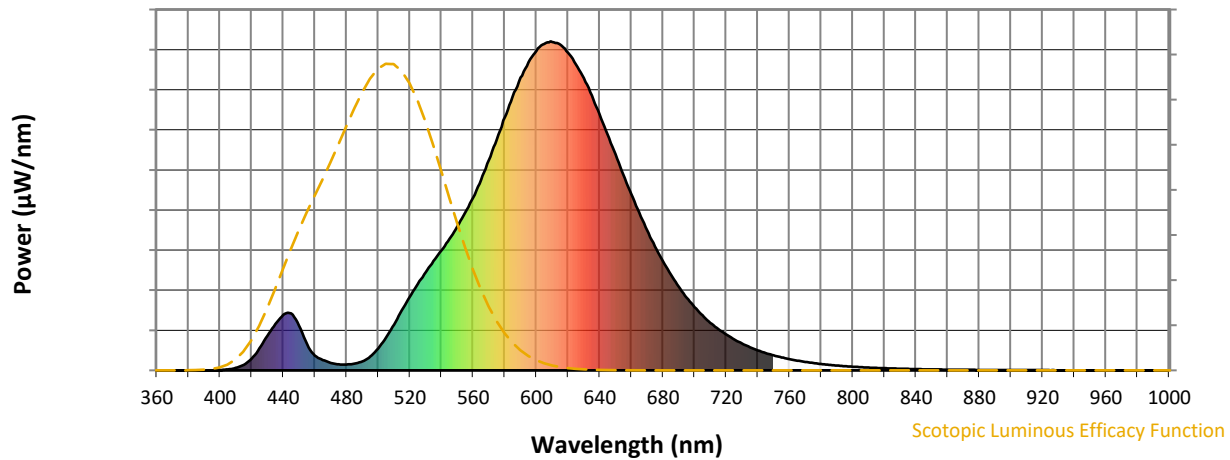


Photopic Lumens: NR

λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

REPORT NUMBER: SP1-2407-184-2

Scotopic Flux vs. Wavelength



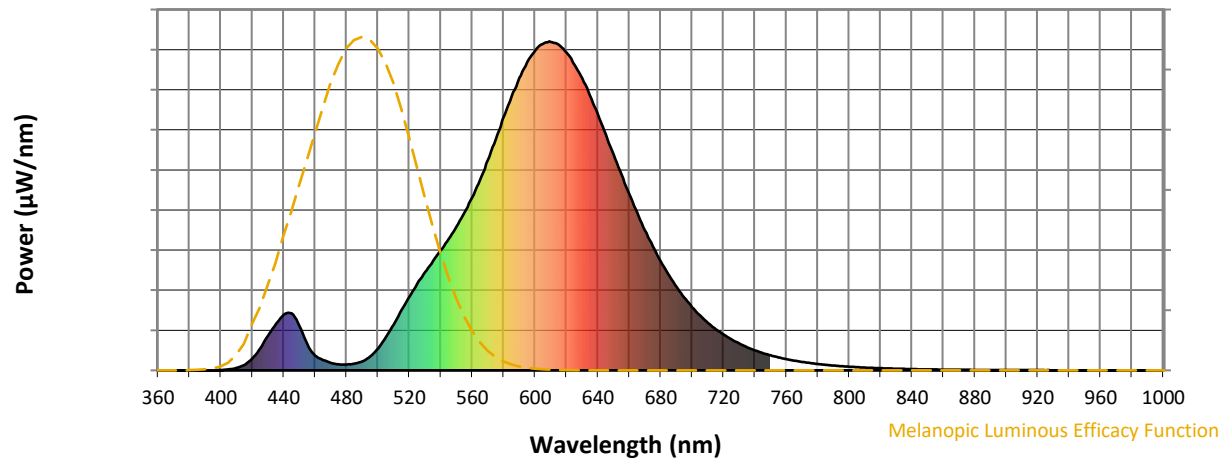
Scotopic Lumens: NR

S/P: 0.8

λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)	λ (nm)	Power W [^] /nm	Lumens (Φ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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Melanopic Flux vs. Wavelength



Melanopic Lumens: NR

M/P: 1.21

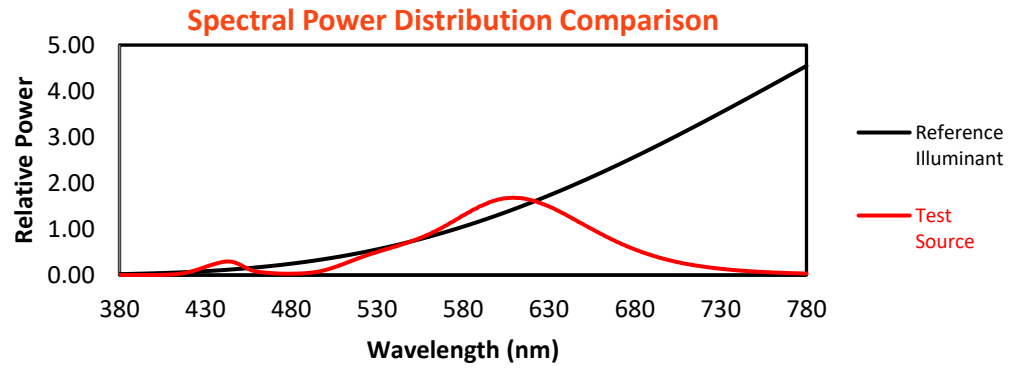
λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)	λ (nm)	Power $\text{W}^{\wedge}/\text{nm}$	Lumens (ϕ/nm)
360	0	NR	490	27	NR	620	966	NR	750	46	NR	880	1	NR
365	0	NR	495	42	NR	625	930	NR	755	39	NR	885	1	NR
370	0	NR	500	67	NR	630	888	NR	760	34	NR	890	1	NR
375	0	NR	505	101	NR	635	835	NR	765	30	NR	895	1	NR
380	0	NR	510	139	NR	640	778	NR	770	26	NR	900	1	NR
385	0	NR	515	183	NR	645	717	NR	775	22	NR	905	1	NR
390	0	NR	520	224	NR	650	656	NR	780	19	NR	910	1	NR
395	0	NR	525	262	NR	655	595	NR	785	17	NR	915	1	NR
400	1	NR	530	299	NR	660	536	NR	790	15	NR	920	1	NR
405	3	NR	535	332	NR	665	480	NR	795	13	NR	925	1	NR
410	7	NR	540	365	NR	670	425	NR	800	11	NR	930	1	NR
415	17	NR	545	400	NR	675	376	NR	805	10	NR	935	0	NR
420	36	NR	550	437	NR	680	332	NR	810	8	NR	940	0	NR
425	67	NR	555	479	NR	685	291	NR	815	8	NR	945	0	NR
430	105	NR	560	525	NR	690	255	NR	820	7	NR	950	0	NR
435	141	NR	565	579	NR	695	221	NR	825	6	NR	955	0	NR
440	169	NR	570	639	NR	700	192	NR	830	5	NR	960	0	NR
445	173	NR	575	703	NR	705	167	NR	835	4	NR	965	0	NR
450	136	NR	580	769	NR	710	144	NR	840	4	NR	970	0	NR
455	80	NR	585	832	NR	715	125	NR	845	3	NR	975	0	NR
460	45	NR	590	890	NR	720	109	NR	850	3	NR	980	0	NR
465	32	NR	595	937	NR	725	94	NR	855	3	NR	985	0	NR
470	23	NR	600	972	NR	730	81	NR	860	2	NR	990	0	NR
475	18	NR	605	992	NR	735	70	NR	865	2	NR	995	0	NR
480	18	NR	610	998	NR	740	61	NR	870	2	NR	1000	0	NR
485	20	NR	615	990	NR	745	53	NR	875	2	NR			

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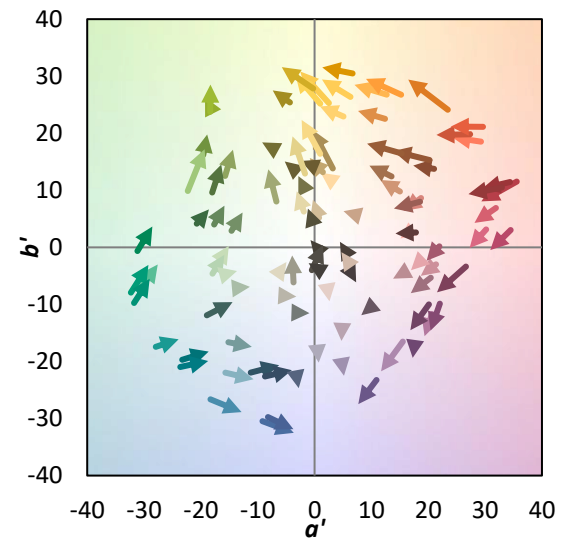
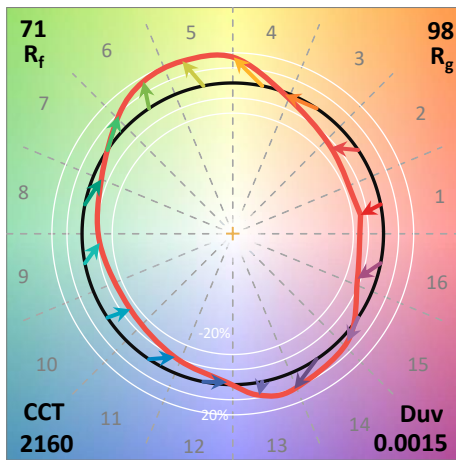
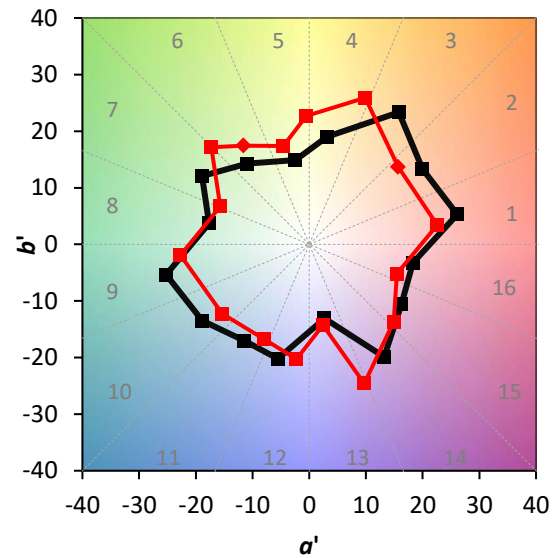
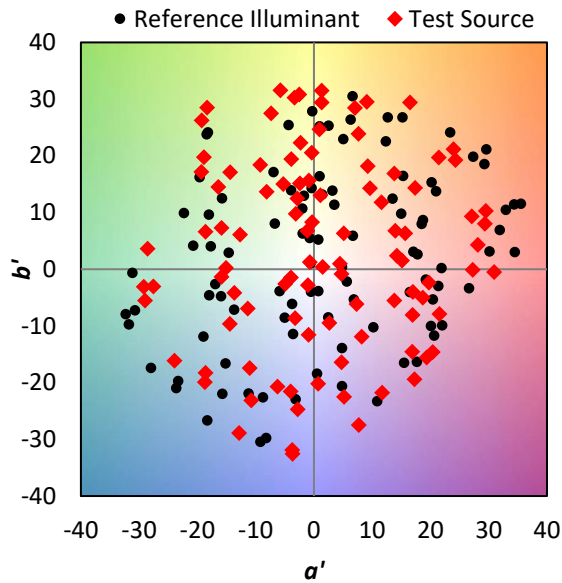
TM-30-18

Summary

$R_f = 70.6$
 $R_g = 97.6$
 $CIE R_a = 71.9$
 $R_g = -17.8$

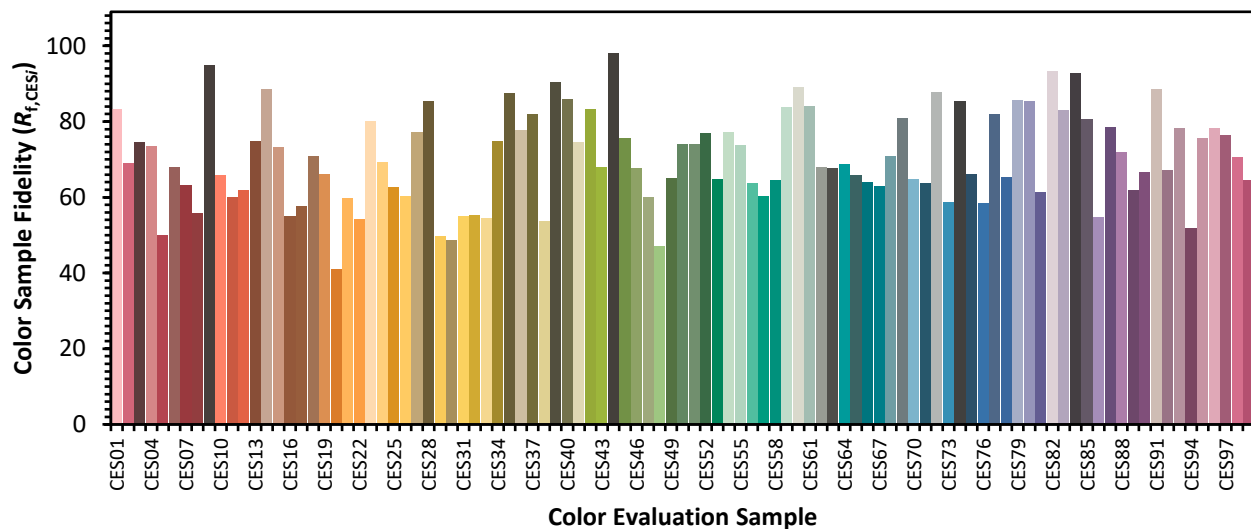


Color Vector Graphics

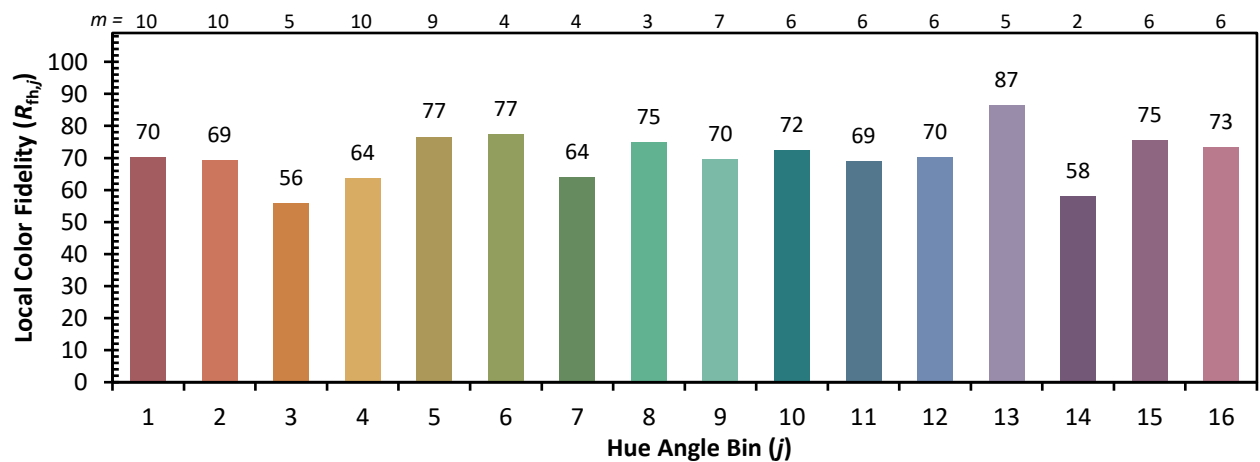
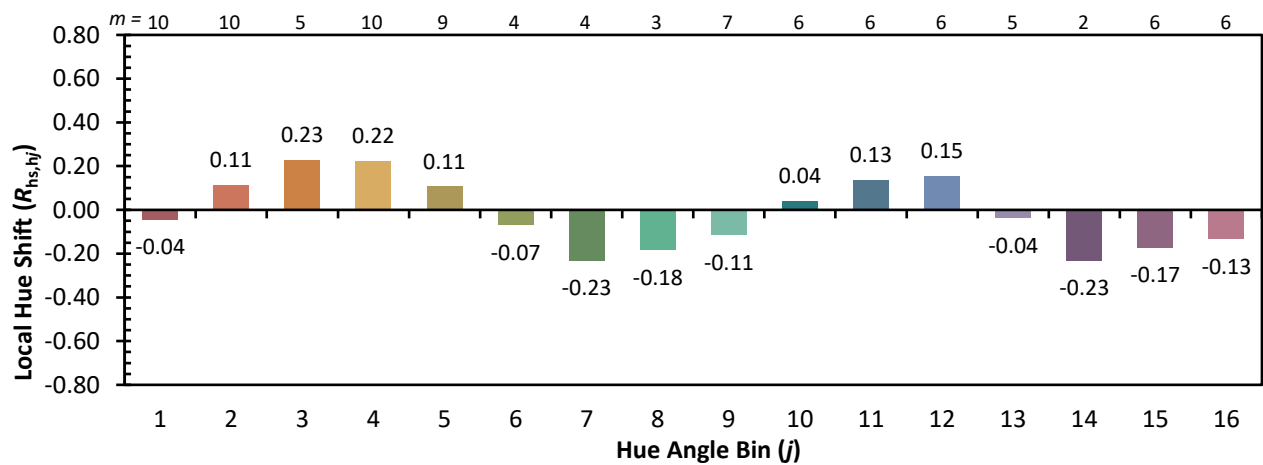
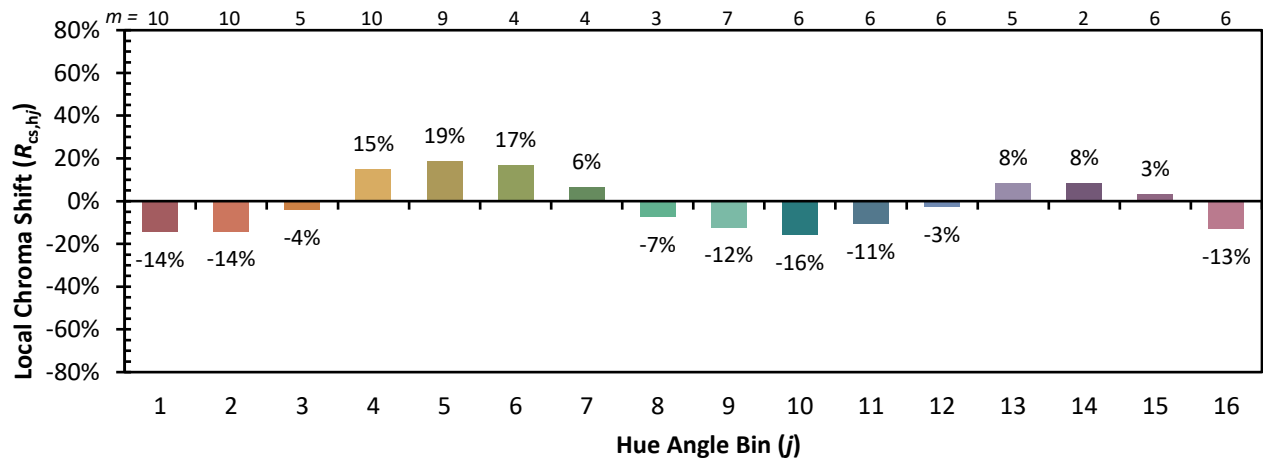


Individual Sample Fidelity Index ($R_{f,i}$)

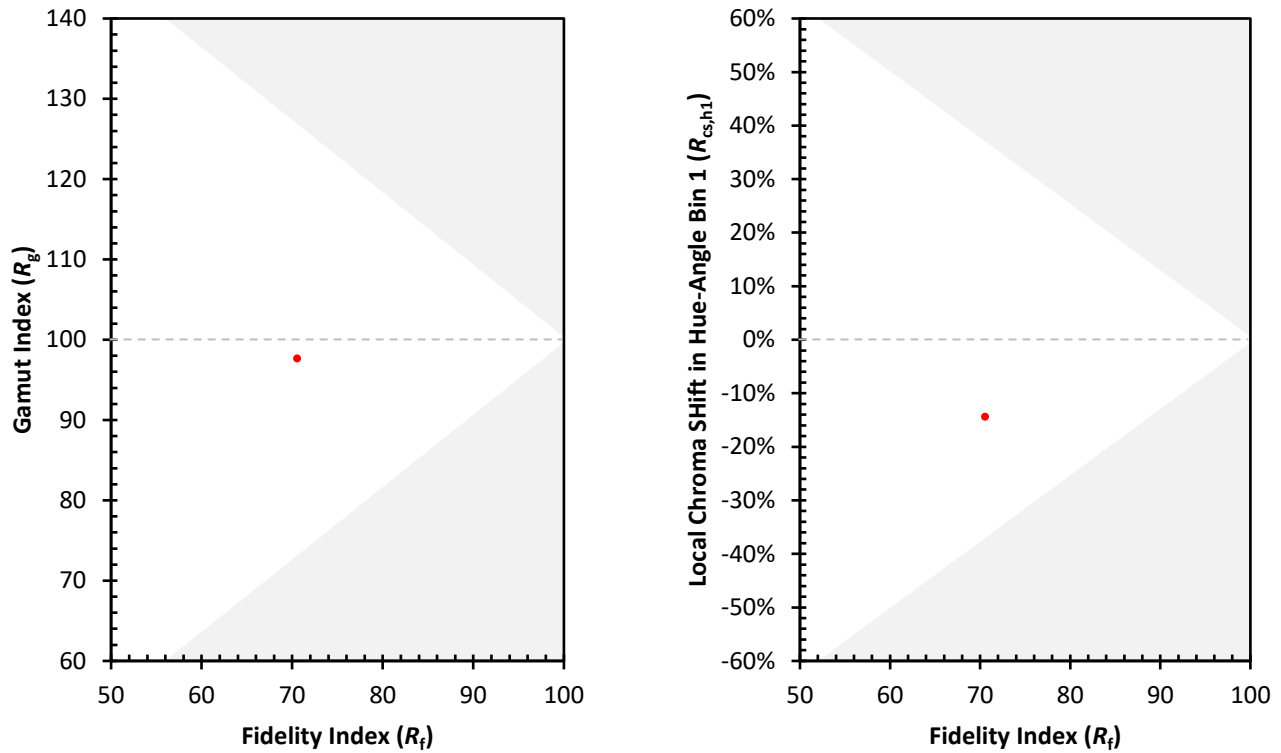
CES01 = 87	CES26 = 60	CES51 = 74	CES76 = 58
CES02 = 65	CES27 = 77	CES52 = 77	CES77 = 82
CES03 = 32	CES28 = 85	CES53 = 65	CES78 = 65
CES04 = 72	CES29 = 50	CES54 = 77	CES79 = 86
CES05 = 52	CES30 = 49	CES55 = 74	CES80 = 85
CES06 = 53	CES31 = 55	CES56 = 64	CES81 = 61
CES07 = 44	CES32 = 55	CES57 = 60	CES82 = 93
CES08 = 43	CES33 = 55	CES58 = 64	CES83 = 83
CES09 = 29	CES34 = 75	CES59 = 84	CES84 = 93
CES10 = 79	CES35 = 88	CES60 = 89	CES85 = 81
CES11 = 62	CES36 = 78	CES61 = 84	CES86 = 55
CES12 = 68	CES37 = 82	CES62 = 68	CES87 = 79
CES13 = 45	CES38 = 54	CES63 = 68	CES88 = 72
CES14 = 75	CES39 = 90	CES64 = 69	CES89 = 62
CES15 = 72	CES40 = 86	CES65 = 66	CES90 = 67
CES16 = 49	CES41 = 75	CES66 = 64	CES91 = 89
CES17 = 51	CES42 = 83	CES67 = 63	CES92 = 67
CES18 = 57	CES43 = 68	CES68 = 71	CES93 = 78
CES19 = 74	CES44 = 98	CES69 = 81	CES94 = 52
CES20 = 68	CES45 = 76	CES70 = 65	CES95 = 76
CES21 = 89	CES46 = 68	CES71 = 64	CES96 = 78
CES22 = 81	CES47 = 60	CES72 = 88	CES97 = 76
CES23 = 92	CES48 = 47	CES73 = 59	CES98 = 71
CES24 = 92	CES49 = 65	CES74 = 85	CES99 = 65
CES25 = 74	CES50 = 74	CES75 = 66	



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)